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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: HADLACZKY *et al.*

Serial No. 09/724,693  
Confirmation No.: 7857

Filed: November 28, 2000

For: *ARTIFICIAL CHROMOSOMES,  
USES THEREOF AND METHODS  
FOR PREPARING ARTIFICIAL  
CHROMOSOMES*

Art Unit: 1632

Examiner: Unassigned

I hereby certify that this paper is being deposited  
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Commissioner for Patents  
Washington, D.C. 20231, on this date.

05/25/01

Date

*Kelly M. Fischer*  
Kelly M. Fischer

TRANSMITTAL LETTER

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Transmitted herewith is a Preliminary Amendment with an attachment of marked up paragraphs and a Change of Address Form for filing in connection with the above-identified application. Because this Preliminary Amendment is filed prior to receipt of a first office action on the merits in the above-referenced application, no fee is due. However, should it be determined that a fee for filing these papers is required, the Commissioner is authorized to charge Deposit Account No. 50-1213, as stated below:

[ X ] The Commissioner is hereby authorized to charge any fees that may be due under 37 C.F.R. §§ 1.16-1.17 in connection with this paper or with this application during its entire pendency to Deposit Account No. 50-1213. A duplicate of this sheet is enclosed.

Respectfully submitted,  
HELLER, EHRMAN, WHITE & McAULIFFE LLP

By:

*Stephanie L. Seidman*  
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*Kelly M. Fischer*  
Kelly M. Fischer

PRELIMINARY AMENDMENT

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Preliminary to examination of the above-captioned patent application,  
please amend the application as follows:

**IN THE SPECIFICATION:**

Please amend the specification as follows (a marked up copy of the  
amended specification is attached to this Amendment):

**Please replace the paragraphs on page 19, lines 3-14, with the following:**

As used herein, a SATAC refers to a chromosome that is substantially all  
heterochromatin, except for portions of heterologous DNA. Typically, SATACs  
are satellite DNA based artificial chromosomes, but the term encompasses any  
chromosome made by the methods herein that contains more heterochromatin  
than euchromatin.

As used herein, amplifiable, when used in reference to a chromosome,  
particularly the method of generating SATACs provided herein, refers to a region  
of a chromosome that is prone to amplification. Amplification typically occurs  
during replication and other cellular events involving recombination. Such  
regions are typically regions of the chromosome that include tandem repeats,  
such as satellite DNA, rDNA and other such sequences.